CLAIMS

What is claimed is:

- 1. A method of operating a head over a disk, comprising:
 operating the head at a first height over a data zone of the disk with respect to
 a data zone surface during at least one of a read operation and a write operation;
 parking the head at a second height with respect to the data zone surface; and
 operating the head at a third height, with respect to the data zone surface,
 over a transition zone of the disk while transitioning the head to park, wherein the
 third height is greater than the first height.
- 2. The method of claim 1, wherein the third height is at least as high as the second height.
- 3. The method of claim 1, further comprising:
 operating the head at first height range over the data zone; and
 operating the head at a third height range over the transition zone of the disk,
 wherein a portion of the third height range is greater than the first height range.
- 4. The method of claim 3, wherein a lower side of the first height range is approximately zero.

- 5. The method of claim 1, wherein the head is coupled to a slider and the slider is coupled to a suspension arm and wherein parking the head comprises parking the suspension arm on a ramp.
- 6. The method of claim 5, wherein the ramp is disposed over a landing zone.
- 7. The method of claim 1, wherein the head is coupled to a slider and wherein parking the head comprises parking the slider on a landing zone.
- 8. The method of claim 7, wherein landing zone is a contact start-stop zone.
- 9. The method of claim 7 wherein the landing zone includes laser texture bumps having a surface height.
- 10. The method of claim 9, wherein operating the head at the third height comprises clearing the surface height of the laser texture bumps in the contact start-stop zone.
- 11. The method of claim 1, wherein the head is coupled to a slider and wherein operating the head at the third height comprises increasing air pressure between the slider and the disk using a surface feature of the transition zone.

- 12. The method of claim 1, wherein the data zone includes a discrete track recording (DTR) patterned surface and the transition zone has a planar surface relative to the DTR patterned surface.
- 13. The method of claim 12, wherein the planar surface is substantially smooth.
- 14. The method of claim 12, wherein the planar surface has a texture.
- 15. The method of claim 12, wherein the planar surface of the transition zone has a texture produced through the deposition of a plurality of layers of the disk above a textured layer.
- 16. The method of claim 15, wherein the textured layer is a textured substrate.
- 17. The method of claim 15, wherein the textured layer is a textured NiP layer.
- 18. The method of claim 1, wherein the first fly height is approximately zero.
- 19. The method of claim 1, wherein the operating of the head at the first height is over a data zone.

- 20. The method of claim 1, wherein the operating of the head at the third height is over a non-data zone and a non-landing zone.
- 21. The method of claim 1, wherein the third height is generated using a surface topology of the transition zone.
- 22. The method of claim 21, wherein the surface topology is substantially smooth.
- 23. The method of claim 8, wherein the head is coupled to a slider, and wherein the method further comprises reducing stiction between the slider and the contact-start-stop zone.
- 24. A magnetic recording disk, comprising:
- a data zone to store data, the data zone having a discrete track recording pattern;
- a CSS zone having a plurality of laser texture bumps; and
 a transition zone having a planar surface relative to the discrete track
 recording pattern of the data zone.
- 25. The magnetic recording disk of claim 24, wherein the data zone comprises a discrete bit recording pattern.

- 26. The magnetic recording disk of claim 24, wherein the planar surface of the transition zone is substantially smooth relative to the plurality of laser texture bumps of the CSS zone.
- 27. The magnetic recording disk of claim 24, wherein the planar surface has a texture.
- 28. The magnetic recording disk of claim 24, wherein the planar surface of the transition zone has a texture produced through the deposition of a plurality of layers of the disk above a textured layer.
- 29. The magnetic recording disk of claim 28, wherein the textured layer is a textured substrate.
- 30. The magnetic recording disk of claim 29, wherein the textured layer is a textured NiP layer.
- 31. A magnetic recording disk, comprising:
 - a first zone to store data;
- a second zone adjacent to the first zone, the second zone having a surface to increase a fly height of a head greater than when the head is operating over the first zone; and

a third zone adjacent to the second zone in which to park the head thereabove.

- 32. The magnetic recording disk of claim 31, wherein the third zone is a contactstart-stop zone.
- 33. The magnetic recording disk of claim 31, wherein the third zone is a load/unload zone.
- 34. The magnetic recording disk of claim 31, wherein the first zone comprises a discrete track recording (DTR) pattern.
- 35. The magnetic recording disk of claim 34, wherein the second zone has a planar surface relative to the DTR patterned surface of the first zone.
- 36. The magnetic recording disk of claim 35, wherein the planar surface of the second zone is substantially smooth.
- 37. The magnetic recording disk of claim 35, wherein the planar surface has a texture.

- 38. The magnetic recording disk of claim 35, wherein the planar surface of the transition zone has a texture produced through the deposition of a plurality of layers of the disk above a textured layer.
- 40. The magnetic recording disk of claim 38, wherein the textured layer is a textured substrate.
- 41. The magnetic recording disk of claim 38, wherein the textured layer is textured NiP layer.
- 42. A magnetic recording disk, comprising:
 - a first zone to store data;
- a second zone adjacent to the first zone, the second zone comprising means to increase a fly height of a head greater than when the head is operating over the first zone; and
- a third zone adjacent to the second zone in which to park the head thereabove.
- 43. A disk drive, comprising:
- a slider comprising a Hall effect head or a head having a magneto-resistance read element; and
 - a magnetic recording disk comprising:

a first zone to store data;

a second zone adjacent to the first zone, the second zone having a surface to increase a fly height of the slider greater than when the slider is operated over the first zone; and

a third zone adjacent to the second zone in which to park the slider thereabove.

- 44. The disk drive of claim 43, wherein the third zone is a contact-start-stop zone.
- 45. The disk drive of claim 43, wherein the third zone is a load/unload zone and wherein the slider is coupled to a suspension arm, the suspension arm configured to park the slider above the load/unload zone when the slider resides on a ramp.
- 46. The disk drive of claim 43, wherein the first zone comprises a discrete track recording pattern.
- 47. The disk drive of claim 46, wherein the second zone has a planar surface relative to the discrete track recording pattern of the first zone.
- 48. The disk drive of claim 43, wherein the third zone is a CSS zone.

- 49. The disk drive of claim 48, wherein the CSS zone has a plurality of laser induced bumps.
- 50. The disk drive of claim 49, wherein the planar surface of the second zone is substantially smooth relative to the plurality of laser texture bumps of the CSS zone.
- 51. The disk drive of claim 49, wherein the planar surface has a texture.
- 52. The disk drive of claim 47, wherein the planar surface of the second zone has a texture produced through the deposition of a plurality of layers of the disk above a textured layer.
- 53. The disk drive of claim 52, wherein the textured layer is a textured substrate.
- 54. The disk drive of claim 52, wherein the textured layer is a textured NiP layer.
- 55. The disk drive of claim 43, wherein the slider comprises at least one protrusion on the slider to reduce stiction between the slider and the third zone.
- 56. The disk drive of claim 43, wherein the slider further comprises a body having a first width and an air bearing having a second width, wherein the second

zone has a third width being wider than the second width of the air bearing and narrower than the first width of the slider body.

- 57. The disk drive of claim 43, wherein the head has a giant magneto-resistance read element.
- 58. A load/unload disk drive, comprising:

a slider comprising a Hall effect head or a head having a magneto-resistance read element;

a ramp; and

a magnetic recording disk, wherein the ramp is disposed above a first portion of the magnetic recording disk, and wherein the magnetic recording disk comprises:

a data zone having a discrete track recording pattern; and

a load/unload zone adjacent to the data zone, wherein the load/unload zone includes the first portion residing beneath the ramp and a second portion extending beyond the ramp, the second portion of the load/unload

zone having a surface to increase a fly height of a slider greater than when the

slider is operating over the data zone.

59. The load/unload disk drive of claim 58, wherein the second portion of the load/unload zone has a planar surface relative to the discrete track recording pattern of the data zone.

- 60. The load/unload disk drive of claim 59, wherein the planar surface of the load/unload zone is substantially smooth.
- 61. The load/unload disk drive of claim 59, wherein the planar surface has a texture.
- 62. The load/unload disk drive of claim 59, wherein the planar surface of the load/unload zone has a texture produced through the deposition of a plurality of layers of the magnetic recording disk above a textured layer.
- 63. The load/unload disk drive of claim 62, wherein the textured layer is a textured substrate.
- 64. The load/unload disk drive of claim 62, wherein the textured layer is a textured NiP layer.